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Amendment to Claims

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method of managing facilities data, the method being executable by a host computer system comprising:

receiving a first graphical element comprising a computer aided design (CAD) element, area or sub area entered by a user as an image displayed on a monitor of a first computer system,; and

displaying a graphical user interface on the monitor of the first computer system, wherein the graphical user interface is configured to:

~~receive~~ receiving non-graphical information associated with the first graphical element through a graphical user interface, the non-graphical information including a first component specification from a database comprising a plurality of component specifications, the first component specification comprising at least one non-graphical data element representing a physical or functional attribute and at least one data element representing a non-physical and non-functional attribute, and

linking information for at least one component specification ~~to a second component specification~~ and the graphical element by generating link data ~~an intelligent CAD object associated with~~ comprising the graphical element and component specifications, at least one component specification including the first component specification; and

~~receiving the first component specification into the graphical interface, the first component specification comprising at least one non-graphical data element representing a physical or functional attribute and at least one data element representing a non-physical and non-functional attribute into the graphical user interface;~~

~~generating link data associated with the first graphical element and the first component specification; and~~

1 the first computer system transmitting said ~~link data and said first component~~
2 ~~specification including the non-graphical data element and said data element~~
3 ~~representing the non-physical and non-functional attribute as a data unit the~~
4 intelligent CAD object to a database for storage via internet communication by
5 the first computer system.

6
7 2. (Previously Presented) The method of claim 1 wherein the first computer system comprises a
8 CAD computer system and wherein the CAD element is a first CAD graphical element, the first
9 graphical element comprising the first CAD graphical element.

10 3. (Previously Presented) The method of claim 1 wherein the graphical user interface comprises a
11 plurality of fields, wherein the first component specification comprises a plurality of non—
12 graphical information components, and wherein entering the first component specification into
13 the graphical user interface comprises entering the plurality of non—graphical information
14 components into the plurality of fields of the graphical user interface.

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16 4. (Currently Amended) The method of claim 1 further comprising:

17 the first computer system receiving, via internet communication, component specification list
18 data, wherein specification list data represents a ~~list~~ plurality of component specifications
19 ~~displayable displayed~~ on the monitor of the first computer system, wherein each component
20 specification of the list represents non graphical information comprising a physical or functional
21 attribute data unit stored in the a database in data communication with the first computer system,
22 ~~wherein each data unit contains data representing non-graphical information;~~

23
24 the first computer system displaying the list of specifications;

25 adding a second graphical element to the image displayed on the monitor of the first computer
26 system;

27 the first computer system transmitting second graphical element data to the database via internet
28 communication, wherein the second graphical element data represents the second graphical
element; and

the first computer system transmitting link data to the database via internet communication,

1 wherein the link data indicates that one of the data units associated with the specifications in the
2 specification list stored in the database is to be linked within the database to the second graphical
3 element data after the second graphical element data is stored in the database.

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5 5. (Currently Amended) A method of organizing and storing data comprising:

6 a first computer system receiving, via internet communication, specification list data,
7 wherein specification list data represents a list of at least one specification displayable on a
8 monitor of the first computer system, wherein said specification list data includes at least one
9 non-graphical data element representing a physical or functional attribute and at least one data
10 element representing a non—physical or non—functional attribute ~~comprising a data unit for~~
11 ~~each specification~~, said specification list data stored in a database in internet communication with
12 the first computer system;

13 the first computer system displaying the list of the at least one specifications through a graphical
14 user interface, the graphical user interface configured to:

15 receive non—graphical information associated with a selected graphical element including a
16 component specification, and

17 link information for at least one component specification to ~~a second component~~

18 ~~specification and a computer aided design(CAD) element, area or sub—area; and~~

19 link information for at least one component specification to a second component specification
20 and the CAD element, area or sub-area; .

21 6. (Currently Amended) A method operating a computer system comprising:

22 receiving a first graphical element data via internet communication from a first computer system,

23 wherein the first graphical element data represents a first graphical element which is displayable

24 on a monitor of the first computer system, the first graphical element comprising a computer

25 aided design (CAD) element, area or sub area;

26 the computer system storing the first graphical element data into a database in data

27 communication with the computer system;

28 the computer system receiving ~~a data unit and link data and storing within the database the data~~

~~unit including a first~~ at least one first non-graphical data element representing a physical or

functional attribute ~~and a data element representing a non-physical or non-functional attribute via~~

internet communication from the first computer system, said non-graphical data element

associated with the first graphical element; and

1
2 creating and storing a-link a first Intelligent CAD object within the database between comprising
3 the data unit and the first graphical element data and a second data unit, wherein the second data
4 unit stores first non-graphical information data element, the link created and stored in response to
5 receiving the link data.

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7 7. (Currently Amended) The method of claim 6 further comprising:

8 ~~the computer system transmitting the first graphical element data to a second computer system~~
9 ~~via internet communication; and~~
10 the computer system transmitting the ~~first non-graphical data unit~~ Intelligent CAD object to the
11 second computer system via internet communication.

12 8. (Currently Amended) The method of claim 6 further comprising:

13 the computer system receiving second graphical element data via internet communication from a
14 second computer system, wherein the second graphical element data represents a second
15 graphical element which is displayable on a monitor of the second computer system;
16 the computer system storing the second graphical element data into the database; and
17 creating and storing a-link an Intelligent CAD object within the database between comprising the
18 second graphical element data and the first non-graphical information data element . data unit
19 ~~after the second graphical element data is stored in the database.~~

20 9. (Currently Amended) The method of claim 6 further comprising the computer system sending,
21 via internet communication, list data to the first computer system, wherein the list data represents
22 a list of non-graphical data ~~units~~ elements in the database, wherein each non-graphical ~~data unit~~
23 element stores non- graphical information data, wherein the list of non-graphical data units
24 includes the first non- graphical data unit.

25
26 10. (Currently Amended) The method of claim 6 further comprising:

27 the computer system receiving an additional non-graphical data ~~elements~~ from a second
28 computer system via internet communication; and
the computer system storing the additional non-graphical data element in the ~~first non-graphical~~
data-unit computer system.

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2 11. (Currently Amended) The method of claim 6 further comprising the computer system storing
3 the first graphical element data ~~in a first graphical data unit in the database~~, wherein the first
4 graphical data unit stores additional graphical element data.

5
6 12. (Currently Amended) The method of claim 1 wherein the first non-graphical information data
7 represents information displayable in fields of an interface, wherein the interface is displayable
8 on the monitor of the first computer system graphical user interface includes:
9 receiving a selection from a collection of graphical elements;
10 a second portion in the first window for receiving a selection of an Intelligent CAD object
11 associated with the collection;
12 receiving a selection of component specifications;
13 viewing attributes for a selected component specifications; and
14 linking the selected component specifications to a selected Intelligent CAD object.

15 13. (Previously Presented) The method of claim 12 wherein the database links the first non
16 graphical data unit in the database to a second non graphical data unit in the database graphical
17 user interface includes:
18 viewing component specifications linked to the CAD object; and
19 creating a new component specifications.

20 14. (Currently Amended) One or more memory mediums having processor readable code
21 embodied on said memory mediums, said processor readable code for programming a processor
22 to perform a method comprising:

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24 receiving ~~a data unit including~~ at least one ~~data element representing a~~ first non-graphical data
25 element representing physical or functional attribute and at least one first graphical element
26 comprising a computer aided design (CAD) element, area or sub-area ~~data element representing a~~
27 ~~non-physical and non-functional attribute~~ via a network interface from a first computer
28 system, ~~the data unit associated with a first graphical element comprising a computer aided~~
~~design (CAD) element, area or sub-area~~, the computer system receiving the ~~data unit~~ elements
through a graphical user interface, the graphical user interface configured to:

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2 receive both the first non-graphical information data element and associated with a
3 selected graphical element including a component specification, and
4 link information for at least one component specification to a second component
5 specification and the first graphical CAD element, area or sub-area;
6 generating link data an intelligent CAD object associated with comprising the CAD first
7 graphical element and component specifications the first data element; and
8 updating a database with said the data unit and said link data intelligent CAD object,
9 wherein said data unit which includes at least one data element representing a physical or
10 a functional attribute is stored in the database.

11 15. (Currently Amended) The method of claim 14 further comprising:

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13 linking said at least one second non-graphical data element representing the a physical or the
14 functional attribute within the database to an object first graphical element data stored in the
15 database, generating a subsequent second intelligent CAD object comprising the first graphical
16 element and both first and second non-graphical data elements.

17
18 16. (Currently Amended) The method of claim 15 further comprising transmitting data
19 representing a first component specification the intelligent CAD object to a second computer
20 system via internet communication, wherein data representing the first component specification
21 comprises data representing non-graphical information, wherein the data representing the first
22 component specification is transmitted after the said step of linking said at least one data
23 element.

24 17. (Currently Amended) The method of claim 16 further comprising receiving and modifying
25 the non-graphical data element information displayed in fields of an interface.

26
27 18. (Currently Amended) A method comprising:
28 a database receiving and storing a first computer aided design (CAD) element data generated by
a first computer system in data communication with the a database, wherein the first CAD
element data represents a first CAD element, area or sub-area displayable on a monitor;

1 the database receiving at least one non-graphical data element representing a physical or
2 functional attribute and link data between said graphical and non-graphical data units; the
3 database storing, said CAD element, and said non-graphical data element(s) ~~and said link data as~~
4 ~~a component specification comprising a single data unit; and~~
5 creating a link an intelligent CAD object in the database ~~between~~ comprising of the stored first
6 CAD element data and at least one of a plurality of component specifications stored in the
7 database, wherein the database is configured to ~~link one of the component specifications to a~~
8 ~~second of the component specifications store~~ at least one intelligent CAD object.

9 19. (Original) The method of claim 18 wherein the first computer system is coupled to the
10 database via the Internet.

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12 Claims 20-26 stand Withdrawn
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